



# ***NAVSEA 04***

## ***ICMP SHIPMAIN Metrics***

**22 October 2003**

**Marc Borkowski**



# **TODAY - SHIPMAIN CNSFNOTE 4700**

---

- **Single Process - Maintenance is Maintenance**

- “...goal of Continuous Maintenance is that all work follows the same process, uses the same forms, formats, products, and procedures.”

- **Port Engineer**

- “The individual charged with the responsibilities as the primary advisor to the ship’s Commanding Officer, as the first point-of-contact maintenance broker at the RMC, as the manager of all maintenance requiring off-ship assistance.”

- **CSMP**

- “All maintenance is managed in the same database, the CSMP.”

- **ICMP**

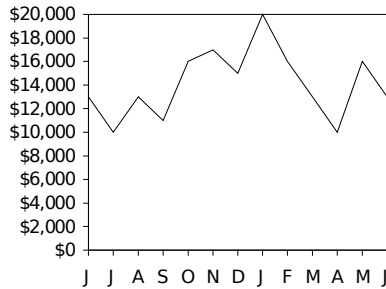
- “All material condition assessments, including HM&ERA, C5RA, SEMAT, etc., shall be derived from the mandatory and scheduled condition assessment tasks within the ship's ICMP”

# ***Other SHIPMAIN***

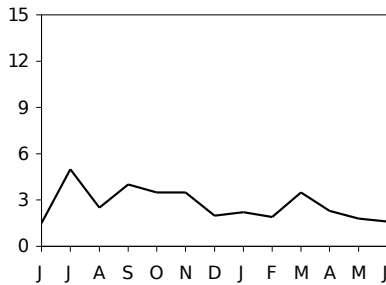
## ***Discussion***

- **TYCOM policy prefers Integrated Class Maintenance Plan (ICMP) tasks over local, unique tasks to satisfy validated maintenance requirements, when appropriate, and to validate scheduled ICMP tasks during the assessment process, when due and practical.**
- **A ship's Class Maintenance Plan is the heart of a well-engineered ship maintenance strategy.**
- **ICMP represents a consensus of the best known engineering practice for each maintenance object.**
- **We have begun a second, internal review, focusing on combat systems/C4I, it is appropriate that we begin to use the ICMP tasks and to measure, feedback and improve them.**
- **CFFC said TYCOMs determine what equipment and when to assess and FTSCs determine how to assess it and what procedure to use**
  - FTSCs (LANT & PAC) will work with TYCOM, ISEAs and INSURV

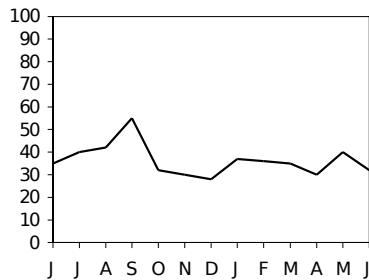
# SHIPMAIN ICMP Bridge Plot



**Ave. \$ Cost/Assessment**

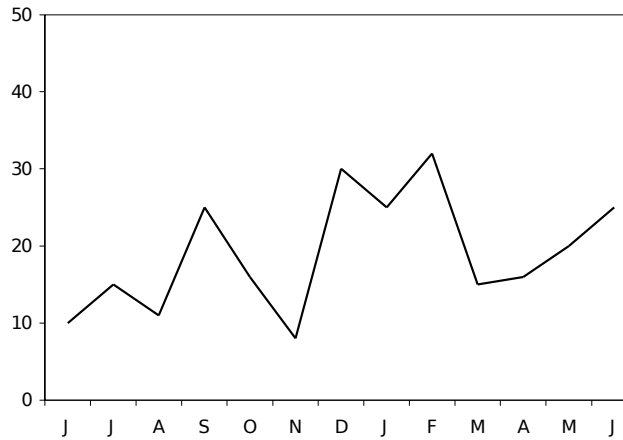


**CBM Repairs/Assessments**

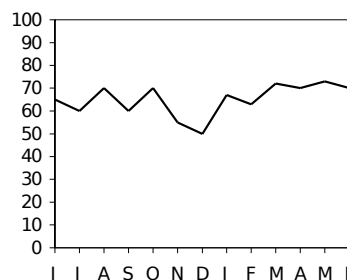


**% of Tasks Modified**

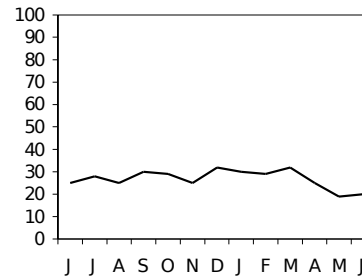
## SHIPMAIN CFT 1 - Requirements ICMP Tracking Bridge Plot



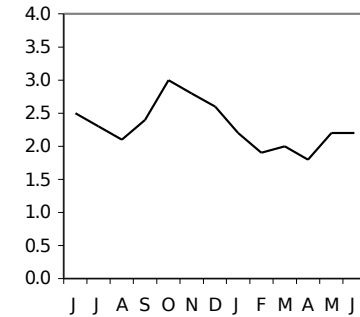
**ROI: Cost Avoidance**



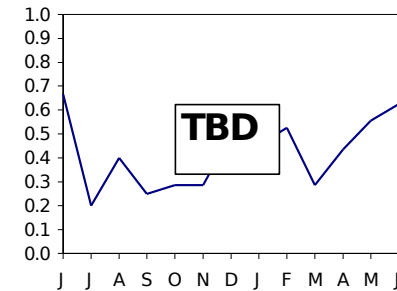
**% of Auth. Pushed Tasks**



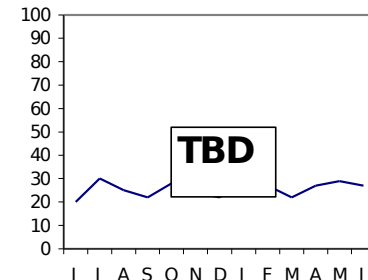
**% of Push. Tasks w/Fdback**



**FOM of Repairs**



**2K Cost w/o ICMP**



**% Repairs w/o Assess**



# ***Categories of ICMP SHIPMAIN Metrics***

---

- ***Return On Investment (ROI)***
  - Average Dollar Cost of an Assessment
  - ROI of Maintenance Cost Avoided as a Result of Using ICMP
- ***ICMP Effectiveness***
  - Percent of ICMP Tasks Modified
  - Average Cost of Repairs Compared to Average Cost of Assessment Tasks
  - Average FOM of Authorized Repairs Generated by Assessment Tasks
  - Percentage of Authorized Pushed Tasks
  - Percentage of Authorized Pushed Tasks w/Feedback

# Questions???

---

- **Does FTSC put man-hours, labor cost and material costs on the 2 kilo for assessments? In the estimate or final action area?**
- **Does FTSC have a universal T/A man-hour rate?**
- **After an assessment visit, can FTSC provide a file containing:**
  - Assessment JCN
  - Cost of the assessment JCN
  - I or D level resultant JCNs
  - Month or day of the assessment
- **Can FTSC separate assessment costs from grooming costs?**